

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ryoichi Saitoh et al. Art Unit : 1646  
Serial No. : 10/509,343 Examiner : Unknown  
Filed : June 21, 2005 Conf. No. : 6719  
Title : METHODS OF SCREENING FOR TRANSPORTER INHIBITORS

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

As documents AH and AI are in Japanese, Applicants have included a computer-generated English translation of each, as well as an English abstract of each obtained from Patent Abstracts of Japan.

Applicants wish to bring to the Examiner's attention co-pending and co-owned non-provisional applications serial numbers 10/492,376 (Attorney Docket No. 14875-129US1), 10/497,900 (Attorney Docket No. 14875-131US1), 10/516,603 (Attorney Docket No. 14875-137US1), and 10/550,987 (Attorney Docket No. 14875-152US1), which concern related subject matter, and some of which have overlapping inventorship with the above-referenced application. Applicants assume that the Examiner has ongoing access to the files of these related applications and can obtain copies of prosecution documents from the files if at any point in the future he/she considers it potentially relevant to issues in the present application. Applicants will supply copies of such documents from the related applications' files, should the Examiner request them.

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Attorney's Docket No.: 14875-133US1 / C1-A0206P-US

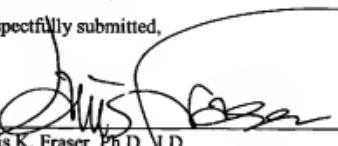
This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

Sept. 26, 2006

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14875-133US1	Application No. 10/509,343
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Ryoichi Saitoh et al.	
		Filing Date June 21, 2005	Group Art Unit 1646
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,500,346	3/19/1996	Bright et al.			
	AB	5,849,525	12/15/1998	Hediger			
	AC	6,270,978	08/07/2001	Bright et al.			
	AD	6,713,278	03/30/2004	Bouvier et al.			
	AE	2005/0004227	01/06/2005	Saitoh			
	AF	2005/0222391	10/06/2005	Kodama et al.			
	AG	2005/0281825	12/22/2005	Kodama et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AH	JP 6-261761	09/20/1994	Japan			X
	AI	JP 11-172	01/06/1999	Japan			X
	AJ	WO 00/28016	05/18/2000	WIPO			

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AK	Basu et al., "Screening of Anti-PepT1 Antibodies Using Indirect ELISA," <i>Pharmaceutical Research</i> , 13(9 Suppl.):S-37, Abstract No. APQ 1137 (1996)
	AL	Blissard et al., "Location, Sequence, Transcriptional Mapping, and Temporal Expression of the gp64 Envelope Glycoprotein Genes of the <i>Orgyia pseudotsugata</i> Multicapsid Nuclear Polyhedrosis Virus," <i>Virology</i> , 170:537-555 (1989)
	AM	Friedman et al., "Characterization of the Intestinal Transport Parameters for Small Peptide Drugs," <i>J. Control. Release</i> , 13:141-146 (1990)
	AN	Friedman et al., "Passive and Carrier-Mediated Intestinal Absorption Components of Two Angiotensin Converting Enzyme (ACE) Inhibitor Prodrugs in Rats: Enalapril and Fosinopril," <i>Pharm. Res.</i> , 6:1043-1047 (1989)
	AO	Ganapathy et al., "Proton-coupled solute transport in the animal cell plasma membrane," <i>Curr. Opin. Cell Biol.</i> , 3:695-701 (1991)
	AP	Higgins, "ABC Transporters: From Microorganisms to Man," <i>Annu. Rev. Cell Biol.</i> , 8:67-113 (1992)
	AQ	Houdebine, "Transgenic animal bioreactors," <i>Transgenic Res.</i> , 9:305-320 (2000)
	AR	Kolb et al., "Insertion of a foreign gene into the $\beta$ -casein locus by Cre-mediated site specific recombination," <i>Gene</i> , 227:21-31 (1999)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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(37 CFR §1.96(b))			

**Other Documents (Include Author, Title, Date, and Place of Publication)**

Examiner Initial	Design ID	Document
	AS	Lariviere et al., "Transgenic Studies of Pain and Analgesia: Mutation or Background Genotype?" <i>J. Pharmacol. Exp. Ther.</i> , 297:467-473 (2001)
	AT	Leiter, "Mice with targeted gene disruptions or gene insertions for diabetes research: problems, pitfalls, and potential solutions," <i>Diabetologia</i> , 45:296-308 (2002)
	AU	Liang et al., "Human Intestinal H <sup>+</sup> /Peptide Cotransporter. Cloning, Functional Expression, and Chromosomal Localization," <i>J. Biol. Chem.</i> , 270:6456-6463 (1995)
	AV	Lindley et al., "Production of monoclonal antibodies using recombinant baculovirus displaying gp64-fusion proteins," <i>J. Immunol. Methods</i> , 234:123-135 (2000)
	AW	Liu et al., "Molecular cloning of PEPT2, a new member of the H <sup>+</sup> /peptide cotransporter family, from human kidney," <i>Biochim. Biophys. Acta</i> , 1235:461-466 (1995)
	AX	Mancini et al., "Induction of Anti-Hepatitis B Surface Antigen (HBsAg) Antibodies in HBsAg Producing Transgenic Mice: A Possible Way of Circumventing 'Nonresponse' to HBsAg," <i>J. Med. Virol.</i> , 39:67-74 (1993)
	AY	Muranishi et al., "Transport Characteristics of Ceftibuten, a New Oral Cephem, in Rat Intestinal Brush-Border Membrane Vesicles: Relationship to Oligopeptide and Amino $\beta$ -Lactam Transport," <i>Pharm. Res.</i> , 6:308-312 (1989)
	AZ	Murray, "Genetic Modification of Animals in the Next Century," <i>Theriogenology</i> , 51:149-159 (1999)
	AAA	Nakashima et al., "Kinetics and Mechanism of <i>In Vitro</i> Uptake of Amino- $\beta$ -Lactam Antibiotics by Rat Small Intestine and Relation to the Intact-Peptide Transport System," <i>Biochem. Pharmacol.</i> , 33:3345-3352 (1984)
	ABB	Ogihara et al., "Immuno-Localization of H <sup>+</sup> /Peptide Cotransporter in Rat Digestive Tract," <i>Biochem. Biophys. Res. Commun.</i> , 220:848-852 (1996)
	ACC	Okano et al., "H <sup>+</sup> Coupled Uphill Transport of Aminocephalosporins via the Dipeptide Transport System in Rabbit Intestinal Brush-border Membranes," <i>J. Biol. Chem.</i> , 261:14130-14134 (1986)
	ADD	Sai et al., "Selective Delivery of Peptide Anticancer Drugs via Oligopeptide Transporter Expressed in Cancer Cells," <i>Proceedings of the Millennium World Congress of Pharmaceutical Science</i> , p. 61, Abstract No. 2-2124 (April 16-20, 2000)
	AEE	Saito et al., "Cloning and Characterization of a Rat H <sup>+</sup> /Peptide Cotransporter Mediating Absorption of $\beta$ -Lactam Antibiotics in the Intestine and Kidney," <i>J. Pharmacol. Exp. Ther.</i> , 275:1631-1637 (1995)
	AFF	Saito et al., "Molecular cloning and tissue distribution of rat peptide transporter PEPT2," <i>Biochim. Biophys. Acta</i> , 1280:173-177 (1996)
	AGG	Saito et al., "Genetic Immunization of Wild-Type and Hepatitis C Virus Transgenic Mice Reveals a Hierarchy of Cellular Immune Response and Tolerance Induction against Hepatitis C Virus Structural Proteins," <i>J. Virol.</i> , 75:12121-12127 (2001)
	AHH	Shen et al., "Localization of PEPT1 and PEPT2 proton-coupled oligopeptide transporter mRNA and protein in rat kidney," <i>Am. J. Physiol.</i> , 276:F658-F665 (1999)
	All	Sigmund, "Viewpoint: Are Studies in Genetically Altered Mice Out of Control," <i>Arterioscler. Thromb. Vasc. Biol.</i> , 20:1425-1429 (2000)
	AJJ	Steiner et al., "The PTR family: a new group of peptide transporters," <i>Mol. Microbiol.</i> , 16:825-834 (1995)

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	AKK	Takahashi et al., "Interaction of $\beta$ -Lactam Antibiotics with H <sup>+</sup> Peptide Cotransporters in Rat Renal Brush-Border Membranes," <i>J. Pharmacol. Exp. Ther.</i> , 286:1037-1042 (1998)
	ALL	Terada et al., "Characterization of Stably Transfected Kidney Epithelial Cell Line Expressing Rat H <sup>+</sup> /Peptide Cotransporter PEPT1: Localization of PEPT1 and Transport of $\beta$ -Lactam Antibiotics," <i>J. Pharmacol. Exp. Ther.</i> , 281:1415-1421 (1997)
	AMM	Tsuchiya, "Therapeutic Antibody," Presentation, Chugai Pharmaceutical Co., Ltd., 21 pages (January 21, 2003)

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